Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/11/2020 11:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124742	-1	1.59	124809	1.57
Blue	F	SSC	125000	125079	0	1.88	125850	1.95
Blue	E	FITC	15892	15401	-4	2.72	336	20.27
Blue	D	PE	29999	29592	-2	2.01	643	14.89
Blue	B	PerCP-Cy5-5	43732	43543	-1	3.75	1163	20.32
Blue	A	PE-Cy7	30845	30649	-1	6.17	585	41.06
Red	C	APC	46112	45349	-2	2.54	1602	12.14
Red	A	APC-Cy7	30458	29564	-3	2.57	787	12.02
Violet	B	V450	7918	7480	-6	4.57	429	13.11
Violet	A	V500	32171	30527	-6	4.38	714	10.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17361	7.9	625	4	N/A	N/A	Pass
Blue	F	SSC	57481	1.34	567	8	N/A	N/A	Pass
Blue	E	FITC	61	62.06	544	1	0.0188	66	Pass
Blue	D	PE	134	50.47	551	3	0.1622	280	Pass
Blue	B	PerCP-Cy5-5	215	50.41	658	2	0.0092	83	Pass
Blue	A	PE-Cy7	110	102.05	700	2	0.0108	20	Pass
Red	C	APC	381	25.25	588	4	0.0244	143	Pass
Red	A	APC-Cy7	173	28.24	558	2	0.0054	706	Pass
Violet	B	V450	65	59.75	461	3	0.0524	2157	Pass
Violet	A	V500	106	36.72	477	3	0.0222	1075	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.74	-32.31	0.97
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	16.52	13.60 - 20.40	N/A	N/A	29.82	30.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9890

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments